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H1567

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper (along with any paper referred to as being attached, enclosed, or following) is being facsimile transmitted to the Patent and Trademark Office (571-273-8300) on the date shown below.

Date: March 7, 2006


Jonathan A. Platt

Attorney Docket No. H1567

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Applicants: Bruno M. LaFontaine et al.

Serial No.: 10/676,923

Filed: October 1, 2003

Title: PHASE-SHIFT REFLECTIVE MASK FOR LITHOGRAPHY, AND
METHOD OF USING AND FABRICATING

Examiner: Stephen D. Rosasco

Art Unit: 1756

SUBMISSION OF DECLARATION

Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

Following herewith is a Rule 37 C.F.R. § 1.131 Declaration submitted with regard to the above application. The Declaration has a total of seven (7) pages, including five (5) pages of attachments.

- 1 -

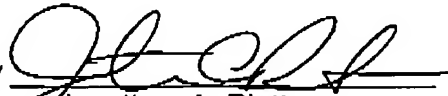
10/676,923

H1567

No fee is believed to be due with the filing of this paper. In the event any fees are due in connection with the filing of this paper, the Commissioner is authorized to charge those fees to Deposit Account No. 18-0988 (Charge No. AMDSPH1567US).

Respectfully submitted,
RENNER, OTTO, BOISSELLE & SKLAR, LLP

By


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Attorney Docket No. H1567

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Applicants: Bruno M. LaFontaine et al.

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Art Unit: 1756

RULE 37 C.F.R. § 1.131 DECLARATIONCommissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

We, the undersigned, hereby declare:

1. We are the inventors of all claims (i.e., claims 1-37) of the above-identified patent application.
2. Prior to June 1, 2003, we conceived the invention of a phase-shift reflective mask for lithography, and method of using and fabricating. As evidence of such conception, attached is an AMD Invention Disclosure #TLD ID# H1567 describing the invention. All

- 1 -

10/676,923H1567

dates blacked out on the attached copy are prior to June 1, 2003.

3. During the time before June 1, 2003 and the October 1, 2003 filing date of the present application, we worked diligently with our attorneys to finalize and file the present application.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and such willful false statements may jeopardize the validity of the application or any patent issued therefrom.

Signed: Bruno M. LaFontaine Date: 11/21/2005
Bruno M. LaFontaine

Signed: Adam R. Pawloski Date: 11/21/2005
Adam R. Pawloski

Signed: Xunfei Deng Date: 2/21/2006
Xunfei Deng

#60

147

PRIORITY CODE
 A ☒ B ☒
 C ☐ D ☐

JAP

TDG LITHO PATENT HARVESTING

Breakout Session: NGL Lithography

Technical Leader: Harry Levinson

Classroom: C-1 & C-2

AMD INVENTION DISCLOSURE

TLD ID# H1567

Rec'd date

California & Asia: x44760, return to MS68;

Texas: x55964 return to MS62;

Dresden & Europe: x83401 Silke Kretzschmar at MS E21-PP.

This invention applies to: Project: ☐, Product: ☐, Process: ☐, Technology ☐, Other ☐.

IMPORTANT Please identify any potential use:

List 2 to 5 key search words related to the invention:

Working title of invention: ALTERNATING P&M FOR EUVL

INVENTOR/SESSION PARTICIPANT ADDRESS INFORMATION IS ON THE NEXT PAGE (1A)

Inventor's signature: Bruno La Fontaine date: 1/1Inventor's printed full name: BRUNO LA FONTAINE Citizenship: 1/1

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone() _____

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Division: _____ Directorate: _____ Dept #: _____ Dept : _____ Manager: _____

Residence address: _____

Post Office address: _____

Co-Inventor's signature: Adam Pawloski date: _____

Co-Inventor's printed full name: _____ Citizenship: _____

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AMD email address: _____ AMD office FAX() _____

Division: _____ Directorate: _____ Dept #: _____ Dept : _____ Manager: _____

Residence address: _____

Post Office address: _____

Co-Inventor's signature: _____ date: _____

Co-Inventor's printed full name: _____ Citizenship: _____

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone() _____

AMD email address: _____ AMD office FAX() _____

Division: _____ Directorate: _____ Dept #: _____ Dept : _____ Manager: _____

Residence address: _____

Post Office address: _____

HARVESTING LAW FIRM/ATTORNEYS: RENNER, OTTO, BOISSELLE & SKLAR

Warren Sklar, Tom Adams

State total number of inventors here: 2. If there are more than four inventors, insert duplicate page 1.

Witness 1 initial: LA Witness 2 initial: WAS

For Breakout NGL Lithography, Revised 06.100901. **AMD CONFIDENTIAL** Attorney-Client Privileged Information Page 1

TDG Litho Patent Harvesting - [REDACTED]

Breakout Session: NGL Lithography - Classroom C-1 & C-2

Technical Leader: Harry Levinson

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			26174	7197	78	408-749-2153	408-774-8813	14660 Big Basin Wy #D Saratoga, CA 95070	14660 Big Basin Wy #D Saratoga, CA 95070

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Advantages (check all that apply):

<input type="checkbox"/> simplifies manufacturing	<input type="checkbox"/> improves accuracy / precision	<input type="checkbox"/> reduces component parts
<input type="checkbox"/> reduces cost of manufacturing	<input type="checkbox"/> improves reliability	<input type="checkbox"/> improves signal to noise ratio
<input type="checkbox"/> improves density	<input type="checkbox"/> improves efficiency	<input type="checkbox"/> provides new functionality
<input type="checkbox"/> increases operating speed	<input type="checkbox"/> increases operating range	<input type="checkbox"/> other, explain below

Discussion of advantage(s) of the invention over other solutions

(emphasize technical advance in the art as measured against known art):

There is no other known solution for EUV att-P&M mask

Please take special care to preserve documentary evidence of the original date of conception of the invention. AMD Inventors' notebooks with witness signatures are useful in this regard. Notebooks are issued on request to inventors by the local AMD site Technical Librarian.

Please attach copy of first written description(s) of invention, with dates, names of persons with whom the description was discussed.

Please attach copy of first drawing(s) of invention, with date(s).

Describe any external disclosure of invention, place, date, circumstances of disclosure, with copy of NDA.

Does plan exist to publish, disclose or sell? No ☐, Yes ☐, If yes, where and when? _____

Was invention jointly developed with participation of inventors from outside AMD: No ☐, Yes ☐.

If yes, Company name _____

If yes, name of AMD business contact and development contract no. _____

I have read and understood this disclosure and read and signed each page of the attachments:

Witness 1

signature: _____ Date: _____

Printed name: _____ Employee #: _____

Witness 2

signature: _____ Date: _____

Printed name: _____ Employee #: _____